

Notice of Allowability

Application No.

10/781,731

Applicant(s)

SATO, TAKASHI

Examiner

Prabodh M. Dharja

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06-25-2007 and fax 07-30-2007.
2. ☒ The allowed claim(s) is/are 1,4-6,9-15,17-31,35 and 37.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>See Continuation Sheet</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 06-25-2007,05-04-2007,03-13-2007.

Art Unit: 2629

1. **Status:** please all the replies and correspondence should be addressed to examiner's new art unit 2629. Receipt is acknowledged of papers submitted 06-15-2007 under amendments; new claims, request for reconsideration and faxed proposed amendments on 07-30-2007 has been placed of record in the file. Claims 1,4-6,9-15,17-31,35 and 37 are pending in this office action and Claims 2,3,7,8, and 32-34 are cancelled and applicant has agreed and authorized examiner to do Examiner Amendments to cancel claims 16 and 36.

Response to Amendment

2. Applicant has amended claims 1 and added new claims 35 and 36. Applicant also has amended specification. The amendment and new claims filed on 06-15-2007 does not introduce any new matter into the disclosure. The added material is supported by the original disclosure. Applicant has added new claims 35,36, amended claims 1, and amended specification to correct grammar and switch the position of the limitations in claims and information in specification. Applicant has faxed proposed amendments for purpose of doing examiner amendments to Claims 1,16,36 and new claim 37 on 07-30-2007. The amendments and new claim faxed on 07-30-2007 does not introduce any new matter into the disclosure. The added material is supported by the original disclosure.

3. Applicant arguments; see Remark filed on 06-15-2007 applicant argues as the prior art of Empedocles et al. (2005/0199731 A1) claims priority of U.S. Provisional Application No. 60/414,323, which fails to teach, disclose or suggest at least the formation of an antenna and a conductive layer in the same layer and from the same material. Moreover, U.S. Provisional

Art Unit: 2629

Application No. 60/414,323 fails to teach or disclose a layer or material of the antennas. Thus, the filing date of U.S. Provisional Application No. 60/414,323 cannot be relied upon as persuasive. Therefore the rejection of non-final mailed on 03-26-2007 is withdrawn.

4. Applicant desires to obtain the benefit of foreign priority under 35 U.S.C. 119(a)-(d), a certified English translation of the foreign application is submitted in reply to this action. 37 CFR 41.154(b) and 41.202(e).

5. Applicant has agreed to do examiner's amendments per examiner's extensive interview with applicant's representative on 07-25-2007 to overcome prior art rejection. Applicant's arguments, see Remark, filed 06-15-2007, with respect to Claims 1, regarding "a radio communication device having a communication integrated-circuit unit and an antenna, the communication integrated-circuit unit being mounted on the substrate, at least a part of the antenna being formed on the substrate in the same conductor, layer and from the same conductive material as the conductor layer of the at least one of the display unit and the display-unit-driving wiring lines" are persuasive; and with the examiner amendments after further extensive search in PGPU, prior art and consideration does overcome prior art rejection and cited prior arts; which puts the application number 10781731 in condition for allowance.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

Art Unit: 2629

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a personal telephone interview with applicant's representative Linda Saltiel on 07-30-2007.

The application has been amended as follows:

In the Claims

Claim1 amended as following.

Claim 1 (amended) A display device, comprising:

at least one substrate provided with a display unit and display-unit-driving wiring lines, at least one of the display unit and the display-unit-driving wiring lines including a conductor layer formed on the substrate from a conductive material in a conductor forming process; and

a radio communication device having a communication integrated-circuit unit and an antenna, the communication integrated-circuit unit being mounted on the substrate, at least a part of the antenna being formed on the substrate in the same conductor layer and from the same conductive material as the conductor layer of the at least one of the display unit and the display-unit-driving wiring ~~lines.~~ **lines, the communication integrated-circuit unit and the antenna being electrically connected to each other by the conductor layer of the at least one of the display and the display-unit-driving wiring lines.**

Art Unit: 2629

Claim 16 amended as following.

Claim 16 is cancelled.

Claim 36 amended as following.

Claim 36 is cancelled.

Please add new dependent claim 37 as following.

Claim 37 (new) The display device according to claim 1, the conductor layer that electrically connects the communication integrated-circuit unit and the antenna including a layer that is different from a conductor that configures at least a portion of the antenna.

Allowable Subject Matter

7. Claims 1,4-6,9-15,17-31,35 and 37 are allowed.

8. The following is an examiner's statement of reasons for allowance:

The applicant has agreed to do examiner's amendments per examiner's extensive interview with applicant's representative on 07-25-2007 to overcome prior art rejection.

Applicant's arguments, filed on 06-15-2007 are convincing. As argued by applicant in remarks under claim rejection page 9 and page 10, paragraphs 1,2, the prior art of Empedocles et al.

Art Unit: 2629

(2005/0199731 A1) in view of Gauthier et al. (US 20010003445 A1) and Jacobsen et al. (US 6,863,219 B1) and all the cited prior arts fails to recite or disclose the uniquely distinct features of the independent claims limitations below with combination of all other limitations of independent claims recited:

a radio communication device having a communication integrated-circuit unit and an antenna, the communication integrated-circuit unit being mounted on the substrate, at least a part of the antenna being formed on the substrate in the same conductor, layer and from the same conductive material as the conductor layer of the at least one of the display unit and the display-unit-driving wiring lines.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.
10. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

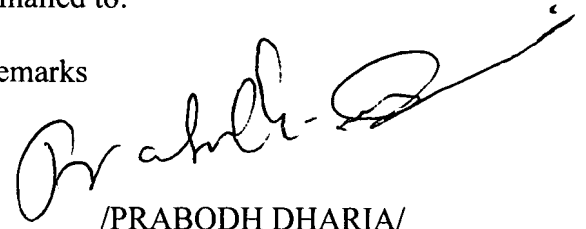
Art Unit: 2629

11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231



/PRABODH DHARIA/

Prabodh Dharia

AU2629

Full Signatory Authority Program

07-26-2007